IN THE CLAIMS

Claim 103 has been amended. The following is the status of the claims of the above-captioned application, as amended.

1-102 (Cancelled)

103. (Currently Amended) A method for monitoring differential expression of a plurality of genes in a first filamentous fungal cell relative to expression of the same genes in one or more second filamentous fungal cells, comprising:

(a) adding a mixture of fluorescence-labeled nucleic acids isolated from the filamentous fungal cells to a substrate containing an array of *Aspergillus oryzae* ESTs ~~selected from the group consisting~~ of SEQ ID NOs. 4377-7401 and fragments thereof, under conditions where the nucleic acids hybridize to complementary sequences of the ESTs in the array, wherein the nucleic acids from the first filamentous fungal cell are labeled with a first fluorescent reporter and the one or more second filamentous fungal cells are labeled with one or more different second fluorescent reporters; and

(b) examining the array by fluorescence under fluorescence excitation conditions wherein the relative expression of the genes in the filamentous fungal cells is determined by the observed fluorescence emission color of each spot in the array in which (i) the fluorescence-labeled nucleic acids obtained from the first filamentous fungal cell that are hybridized to the ESTs in the array produce a distinct first fluorescence emission color and the fluorescence-labeled nucleic acids obtained from the one or more second filamentous fungal cells that are hybridized to the ESTs in the array produce a distinct second fluorescence emission color, and (ii) the fluorescence-labeled nucleic acids obtained from both the first and the one or more second filamentous fungal cells that are hybridized to the ESTs in the array produce a distinct combined fluorescence emission color.

104. (Previously Presented) The method of claim 103, wherein one or more of the filamentous fungal cells are selected from the group consisting of an *Acremonium*, *Aspergillus*, *Fusarium*, *Humicola*, *Mucor*, *Myceliophthora*, *Neurospora*, *Penicillium*, *Thielavia*, *Tolypocladium*, and *Trichoderma* cell.

105. (Previously Presented) The method of claim 103, wherein the two or more filamentous

fungal cells are the same cell.

106. (Previously Presented) The method of claim 103, wherein the two or more filamentous fungal cells are *Fusarium venenatum* cells.

107. (Previously Presented) The method of claim 103, wherein the two or more filamentous fungal cells are *Aspergillus niger* cells.

108. (Previously Presented) The method of claim 103, wherein the two or more filamentous fungal cells are *Aspergillus oryzae* cells.

109. (Previously Presented) The method of claim 103, wherein the two or more filamentous fungal cells are different cells.

110. (Previously Presented) The method of claim 103, wherein the hybridization conditions are selected from the group consisting of very low, low, low-medium, medium, medium-high, high, and very high stringency conditions.